

1      **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

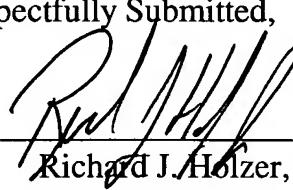
2      Serial No. ....  
3      Filing Date ..... September 30, 2003  
3      Inventorship ..... Key  
4      Applicant..... Microsoft Corporation  
4      Attorney's Docket No. .... MS1-1759US  
5      Title: Background Transport Service

6      **INFORMATION DISCLOSURE STATEMENT**7      *References -- See Attached Form PTO-1449*8      **REMARKS**

9      With regard to the above-identified application, the documents listed on the  
10     enclosed Form 1449 are brought to the attention of the Examiner. A copy of each  
11     non-patent document listed on the enclosed Form 1449 is provided. Consideration  
12     of the listed documents is respectfully requested. Additionally, it is requested that  
13     the Examiner return a copy of the attached Form 1449, marked as being considered  
14     and initialed by the Examiner, to the undersigned with the next official  
15     communication.

16       
17     No representation is made that any of the documents listed in the enclosed  
18     Form 1449 constitute prior art or are in any way material to the subject matter of  
19     the above-identified application

21      Respectfully Submitted,

22      By: 23      Richard J. Holzer, Jr.  
24      Reg. No. 42,66823      Date: 9-30-03

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	
				Filing Date	September 30, 2003
				First Named Inventor	Key
				Group Art Unit	
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	MS1-1759US

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.  
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				Examiner Name	
Sheet	2	of	3	Attorney Docket Number	MS1-1759US

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
		DONG, YINGFEI; RAKSHE, ROHIT; ZHANG, ZHI-LI; "A Practical Technique to Support Controlled Quality Assurance in Video Streaming across the Internet"; Proc. Packet Video Workshop, 2002; Minneapolis, MN; 12 pages			
		SEMKE, JEFFREY; MAHDAVI, JAMSHID; MATHIS, MATTHEW; "Automatic TCP Buffer Tuning"; Proc. ACM SIGCOMM, 1998; pages 315-323			
		CROWCROFT, JON; OECHSLIN, PHILIPPE; "Differentiated End-to-End Internet Services Using a Weighted Proportional Fair Sharing TCP"; ACM Computer Communication Review, v 28, July 1998; 15 pages			
		MASSOULIE, L.; ROBERTS, J.; "Bandwidth Sharing: Objectives and Algorithms"; Proc. IEEE INFOCOM, v 3, 1999; pages 1395-1403;			
		ZHANG, YIN; DUFFIELD, NICK; PAXSON, VERN; SHENKER, SCOTT; "On the Constancy of Internet Path Properties"; Proceedings of ACM SIGCOMM Internet Measurement Workshop, November 2001; 15 pages			
		JAIN, MANISH; PRASAD, RAVI S.; DOVROLIS, CONSTANTINOS; "The TCP Bandwidth-Delay Product Revisited: Network Buffering, Cross Traffic, and Socket Buffer Auto-sizing"; Tech. Rep. GIT-CERCS-03-02, College of Computing, Georgia Tech, 2002; pages 1-15			
		SPRING, NEIL T.; CHESIRE, MAUREEN; BERRYMAN, MARK; SAHASRANAMAN, VIVEK; ANDERSON, THOMAS; BERSHAD, BRIAN; "Receiver Based Management of Low Bandwidth Access Links" Proc. IEEE INFOCOM; v. 1, 2000; pages 245-254			
		MEHRA, PUNEET; ZAKHOR, AVIDEH; De VLEESCHOUWER, CHRISTOPHE; "Receiver-Driven Bandwidth Sharing for TCP" Proc. IEEE INFOCOM, 2003; 11 pages			
		RIBEIRO, VINAY; COATES, MARK; RIEDI, RUDOLF; SARVOTHAM, SHRIRAM; "Multifractal Cross-Traffic Estimation" Proc. ITC Specialist Seminar on IP Traffic Measurement, Modeling and Management, Sept 2000, Monterey, CA; 10 pages			
		MARTIN, JIM; NILSSON, ARNE; RHEE, INJONG; "The incremental Deployability of TRR-Based Congestion Avoidance for High Speed TCP Internet Connections" IEEE/ACM Trans. Networking, June 2003; 23 pages			
		ROWSTRON, ANTONY; DRUSCHEL, PETER; "Storage Management and Caching in PAST, a Large-Scale, Persistent Peer-to-Peer Storage Utility" Symposium on Operating Systems Principles, 2001; 13 pages			

Examiner Signature	Date Considered
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(use as many sheets as necessary)					
Sheet	3	of	3		

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		KUZMANOVIC, ALEKSANDAR; KNIGHTLY, EDWARD W.; "TCP-LP: A Distributed Algorithm for Low Priority Data Transfer"; Proc. IEEE INFOCOM, 2003; 11 pages	
		VENKATARAMANI, ARUN; KOKKU, RAVI; DAHLIN, MIKE; "TCP NICE: A Mechanism for Background Transfers"; Proc. for Operating Systems Design and Implementation; December 2002; 15 pages	
		VENKATARAMANI, ARUN; YALGANDULA, PRAVEEN; KOKKU, RAVINDRANATH; SHARIF, SADIA; DAHLIN, MIKE; "The Potential costs and Benefits of Long-term Prefetching for Content Distribution"; Computer Communication Journal, v 25, n 4 2002; pages 367-375	
		ILVESMAKI, MIKA; LUOMA, MARKO; "On the Capabilities of Application Level Traffic Measurements to Differentiate and Classify Internet Traffic"; Internet Performance and Control of Network Systems II, Proceedings of SPIE Vol.4523 (2001); 11 pages	
		EGGERT, LARS; HEIDEMANN, JOHN; "Application-Level Diffentiated Services for Web Servers" World Wide Web Journal 1999; 12 pages	
		FOLEY, CHRIS; "Dynamic Bandwidth Throttling" January, 2003 <a href="http://www.xcellenet.com/public/pdfs/products/afaria/literature/white_papers/Dynamic_Bandwidth_Throttling.pdf">www.xcellenet.com/public/pdfs/products/afaria/literature/white_papers/Dynamic_Bandwidth_Throttling.pdf</a>	

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